

ABSTRACT:

System for copy protection of recorded signals.

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A system for copy protection of recorded information is disclosed, comprising an information carrier, a recorder and a player. The information carrier, e.g. an optical disc, comprises a medium mark representing a first bitpattern, which medium mark cannot be copied on standard recording devices. The recorded information comprises a watermark representing a second bitpattern, which second bitpattern has a predefined relationship to the first bitpattern. The watermark cannot be manipulated without disturbing the quality of the reproduction of the information. The relationship, preferably a one-way function, between the watermark and the medium mark requires that an illegal copy also has the corresponding medium mark. As neither the watermark nor the medium mark can be manipulated, a strong protection against illegal copying is achieved. The recorder comprises encoder means for embedding the watermark in the information and generator means for generating the second bitpattern according to said relationship. The player comprises verification means for verifying said relationship.